

22912 U.S. PTO
010204

Express Mail Label No.: EL 992 785 369 US

PATENT
Attorney Docket No.: MSU-08604

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

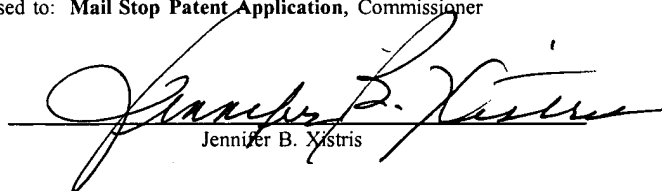
17497 U.S. PTO
10/751235
010204

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Dean DellaPenna, Li Tian and Joonyul Kim for **Novel Carotenoid Hydroxylases for Use in Engineering Carotenoid Metabolism in Plants**.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date, **January 2, 2004**, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EL 992 785 369 US**, addressed to: **Mail Stop Patent Application**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Jennifer B. Xistris

1. **Type Of Application**

This new application is for a(n)

☒ Original (nonprovisional)

2. **Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application**

104 Pages of Specification
5 Pages of Claims
1 Page of Abstract
42 Sheets of Informal Drawings

3. **Declaration**

☒ Enclosed
☒ Unexecuted.

4. **Inventorship Statement**

The inventorship for all the claims in this application is:

☒ the same

5. **Language**

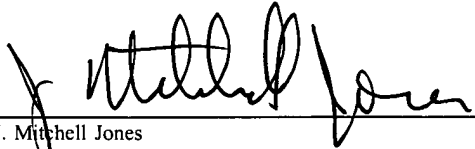
☒ English

6. **Fee Calculation (37 C.F.R. § 1.16)**

☒ Regular application

CLAIMS AS FILED

Number Filed	Number Extra	Rate	Basic Fee - \$770.00 (37 C.F.R. § 1.16(a))
Total Claims (37 C.F.R. § 1.16(c))	32 - 20 =	12 × \$18.00 =	\$216.00
Independent Claims (37 C.F.R. § 1.16(b))	12 - 3 =	9 × \$86.00 =	\$774.00
Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d))	+ \$290.00 =		\$0.00
Filing Fee Calculation			\$1,760.00

7. Small Entity Statement(s)☒ Verified Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27.**Filing Fee Calculation (50% of above) \$880.00****8. Fee Payment Being Made At This Time**☒ Enclosed☒ basic filing fee \$880.00**Total Fees Enclosed \$880.00****9. Method of Payment of Fees**☒ Check in the amount of \$880.00**10. Authorization To Charge Additional Fees and Credit Overpayment**☒ The Commissioner is hereby authorized to charge any deficiency in the payment of the required fees, and/or credit any overpayment, to Deposit Account No.: **08-1290**. An originally executed duplicate of this transmittal is enclosed for this purpose.**11. Power of Attorney by Assignee**☒ Enclosed (unexecuted)**12. Return Receipt Postcard**☒ EnclosedDated: January 2, 2004
J. Mitchell Jones
Registration No.: 44,174MEDLEN & CARROLL, LLP
101 Howard Street, Suite 350
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608/218-6900☒ **Statement Where No Further Pages Added**☒ This transmittal ends with this page.